

Hand Hygiene

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AiRISTA's Unified Solution Technologies

- Real Time Locating System (RTLS)
- Radio Frequency Identification (RFID)
- RGPS Locating and Security Monitoring

Overview

The practice of hand hygiene has long been recognized as likely the most significant way of preventing the spread of infections. As such, validating and measuring adherence to hand hygiene practice and protocol in healthcare settings is fundamental to hospitals' claimed quality of care, operational efficiencies and reported rate of regulatory compliance. Industry reports, published articles and recent studies conducted around hand hygiene non-compliance by healthcare workers have underlined the seriousness of this phenomenon. Once such article points out that more than 98,000 annual deaths in the United States alone are due to hospital-acquired infections and attributes more than 1.7 million dollars in infection-related expenses to non-compliance in a 200 bed hospital.



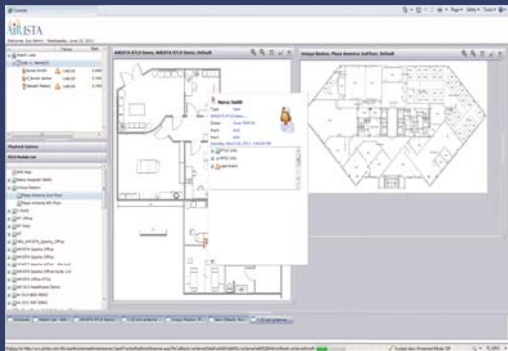
The Need

As reported and presented by the Joint Commission in collaboration with The Center for Disease Control and Prevention among others, measuring adherence to hand hygiene guidelines is not a simple task. The "gold standard", direct observation and monitoring of healthcare personnel poses various challenges, and is resource intensive. Hand hygiene non-compliance by healthcare workers account for a substantial number of hospital-acquired infections spread among patients resulting in significant cost to healthcare providers.



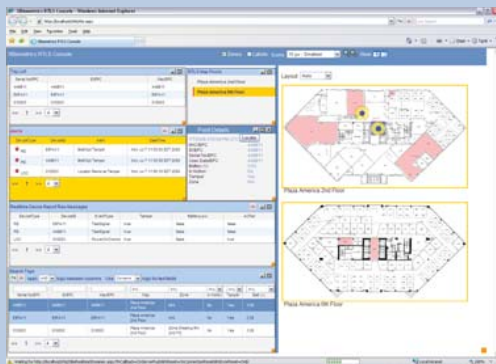
How the Solution Works

- Personnel wearing active WiFi RTLS and/or RFID badges are detected and identified upon entering patients' rooms and provided with the opportunity to comply with the institutions' hand hygiene protocol prior to visiting patients.
- Hand hygiene dispensers are equipped with AiRISTA's detection device. This device communicates with personnel badges/tags and positively identifies the personnel.
- Personnel's hand hygiene compliance or non-compliance is detected and time-stamped event is captured/recorded permanently.



Hand Hygiene Compliance Monitor Solution

Hand Hygiene



AiRISTA develops and delivers a wide range of turn-key solutions incorporating RFID, RTLS, GPS and related technologies that enables real-time management of mobile personnel, assets and resources to government and commercial clients. With our robust and comprehensive Track and Trace solutions, clients realize a reduction in resources, cost and errors while benefiting from increased efficiencies, productivity, safety and revenues.



913 Ridgebrook Road Suite 110
Sparks, MD 21152
Voice: 410 878 2700
Fax: 410 878 2561
E-mail: info@airista.com
www.airista.com

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Benefits

- Detection of non-compliance in real time and alerting personnel of non-compliant status in advance of the patient care delivery
- Providing high levels of accuracy - 99.9% positive identification
- Empowering the administration to monitor how well the hand hygiene protocol is followed by the staff around the clock
- Displaying locations, alerts and other pertinent data on floor maps in real-time and playback based on historically captured data by integrating with AiRISTA's full RTLS solution.
- Offering flexibility to implement hand hygiene policies through the use of AiRISTA's advanced Electronic Compliance Certificate technology with certificate expiration parameters



780-443-5822 info@LibraMation.com